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## CLAIMS

1. A passive receiver-transmitter device fed by electromagnetic wave, provided with an antenna comprising a loop associated with an electronic transponder chip, this loop being able on the one hand to feed the electronic chip with an induced current generated when it is passed through by a first electromagnetic wave carrying information, and on the other hand, to send a second electromagnetic wave carrying the response from the electronic chip, characterized in that the antenna is designed in such a way that the loop comprises at least two non-coplanar or non-parallel parts in a position of use.
2. The device as claimed in claim 1, wherein the loop comprises at least two parts situated in roughly perpendicular planes.
3. The device as claimed in claim 2, wherein the loop is intended to be disposed in two planes roughly perpendicular to each other.
4. The device as claimed in claim 2, wherein the loop is intended to be positioned in three planes roughly perpendicular to each other.
5. The device as claimed in any one of claims 1 to 4, wherein the antenna is incorporated in a support intended to be glued on several sides of an object.
6. The device as claimed in claim 5, wherein the support is produced in the form of a self-adhesive label.

7. The device as claimed in claim 1, wherein the antenna comprises a loop produced in the form of an open cylindrical bracelet, obtained from a flat support formed by a flexible strip.

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8. The device as claimed in claim 1, wherein the antenna comprises a closed circular loop produced from a spiral-wound wire (34).

- 10 9. The device as claimed in either of claims 7 and 8, wherein the loop has a diameter of between 4 and 10 cm.